Application No.	Applicant(s)	
09/770 400	SVSVKI ET VI	
Examiner	Art Unit	
Chaoba Ahmad	4770	
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	D9/770,400 Examiner Sheeba Ahmed Pears on the cover sheet wires (OR REMAINS) CLOSED in 5) or other appropriate communication is set and MPEP 1308. In the Examiner. Inder 35 U.S.C. § 119(a)-(d) of the examiner in the header according to 37 CF or osit of BIOLOGICAL MATE of TFOR THE DEPOSIT OF BIOLOGIC, and in the header according to 37 CF osit of BIOLOGICAL MATE of TFOR THE DEPOSIT OF BIOLOGIC, and in the header according to 37 CF osit of BIOLOGICAL MATE of TFOR THE DEPOSIT OF BIOLOGIC, and in the header according to 37 CF osit of BIOLOGICAL MATE of TFOR THE DEPOSIT OF BIOLOGIC, and in the header according to 37 CF osit of BIOLOGICAL MATE of TFOR THE DEPOSIT OF BIOLOGIC, and in the header according to 37 CF osit of BIOLOGICAL MATE of TFOR THE DEPOSIT OF BIOLOGIC, and in the header according to 37 CF osit of BIOLOGICAL MATE of TFOR THE DEPOSIT OF BIOLOGIC, and in the header according to 37 CF osit of BIOLOGICAL MATE of TFOR THE DEPOSIT OF BIOLOGIC, and in the header according to 37 CF osit of BIOLOGICAL MATE of TFOR THE DEPOSIT OF BIOLOGIC, and in the header according to 37 CF osit of BIOLOGICAL MATE of THE DEPOSIT OF BIOLOGIC, and in the header according to 37 CF osit of BIOLOGICAL MATE of THE DEPOSIT OF THE D	Examiner Sheeba Ahmed Pears on the cover sheet with the correspondence add S (OR REMAINS) CLOSED in this application. If not included S (OR REMAINS) CLOSED in this application. If not included S (OR REMAINS) CLOSED in this application. If not included S (OR REMAINS) CLOSED in this application will be mailed in due RIGHTS. This application is subject to withdrawal from issuits and MPEP 1308. We re-numbered 1-15). The Examiner. Under 35 U.S.C. § 119(a)-(d) or (f). We been received. We been received in Application No Blocuments have been received in this national stage application. To of this communication to file a reply complying with the residency of this application. We see the attached EXAMINER'S AMENDMENT or Noves reason(s) why the oath or declaration is deficient. Sust be submitted. The submitted in the Office action of the the header according to 37 CFR 1.121(d). The header according to 37 CFR 1.121(d). Soit of BIOLOGICAL MATERIAL must be submitted. THE DEPOSIT OF BIOLOGICAL MATERIAL. Submitted in the front (not the theory of the properties of th

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REASONS FOR ALLOWANCE

1. Claims 1, 2, 4, 6-8, and 17-20 are directed to an allowable product. Pursuant to the procedures set forth in the Official Gazette notice dated March 26, 1996 (1184 O.G. 86), claims 5, 9-11, and 13, directed to the process of making the patentable product, previously withdrawn from consideration as a result of a restriction requirement, are now subject to being rejoined. Claims 5, 9-11, and 13 are hereby rejoined and fully examined for patentability under 37 CFR 1.104.

Since all claims previously withdrawn from consideration under 37 CFR 1.142 have been rejoined, the restriction requirement made in the Office action mailed on August 26, 2002 is hereby withdrawn.

2. Claims 1, 2, 4-11, 13, and 17-20 are allowed.

The following is an examiner's statement of reasons for allowance:

Independent claim 1 is directed to an ultrathin film comprising layers consisting essentially of polymer layers and layers of lamina particles alternately assembled, wherein the lamina particles are exfoliated microcrystals of a layered titanium oxide wherein the thickness of each layer is within a range of sub-nm to nm.

The closest prior art, US Patent 5,935,717, fails to disclose or render obvious a an ultrathin film comprising layers of lamina particles alternately assembled with polymer layers, wherein the lamina particles are exfoliated microcrystals of layered titanium oxide particles.

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Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

3. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Sheeba Ahmed whose telephone number is (571) 272-1504. The examiner can normally be reached on Monday-Friday from 9am to 5:30pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Paul Thibodeau can be reached on (571)272-1516. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Sheeba Ahmed Art Unit 1773

June 13, 2004